

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P415811

Luminaire Tested: **LXF.LXT-PA1-60-727-U-SL3-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-727-U-SL3-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5255 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

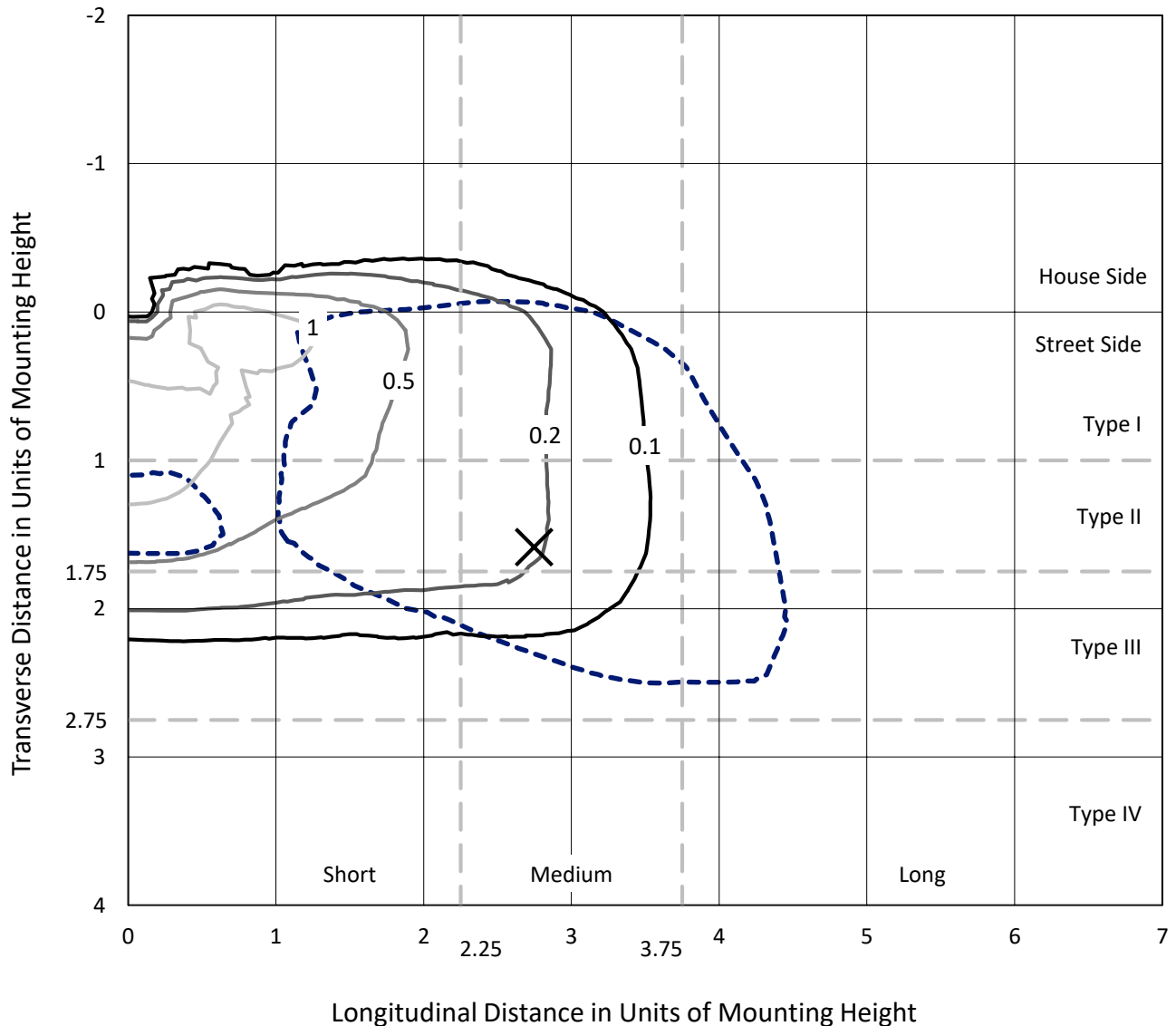


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

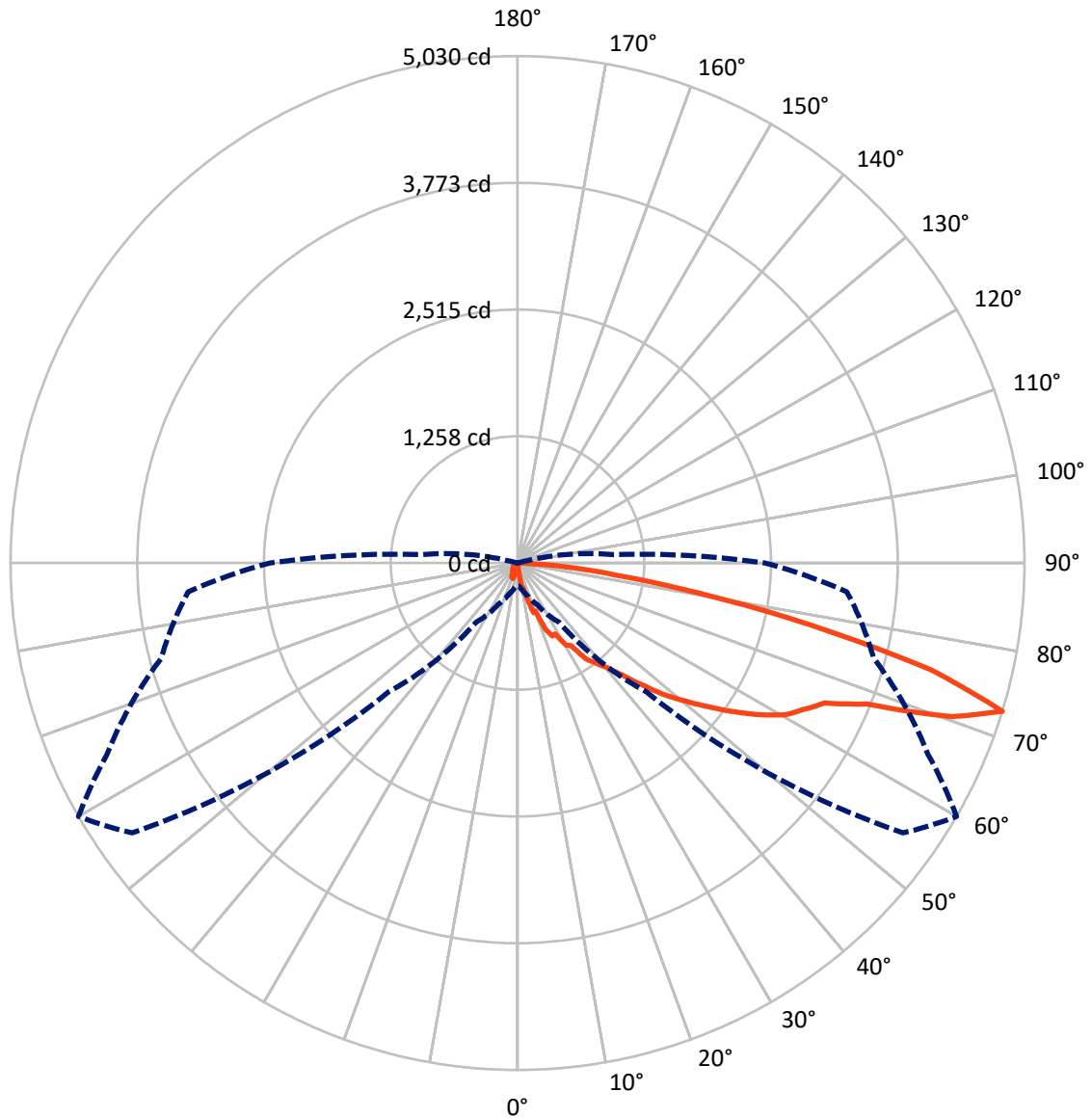


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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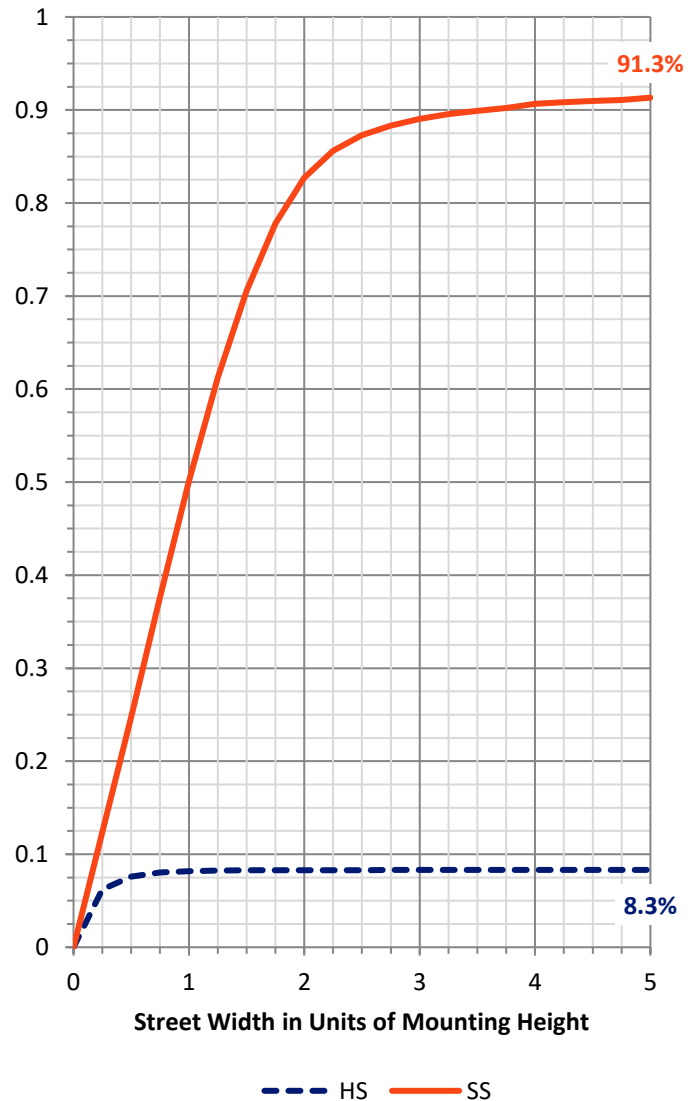
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	440.7	0.0	440.7
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	4814.3	0.0	4814.3
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	5255.0	0.0	5255.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	73.2	1.4
20°-30°	228.9	4.4
30°-40°	493.5	9.4
40°-50°	839.0	16.0
50°-60°	1240.4	23.6
60°-70°	1349.2	25.7
70°-80°	919.5	17.5
80°-90°	104.3	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5255.0	100.0
0°-180°	5255.0	100.0

**Coefficient of Utilization**



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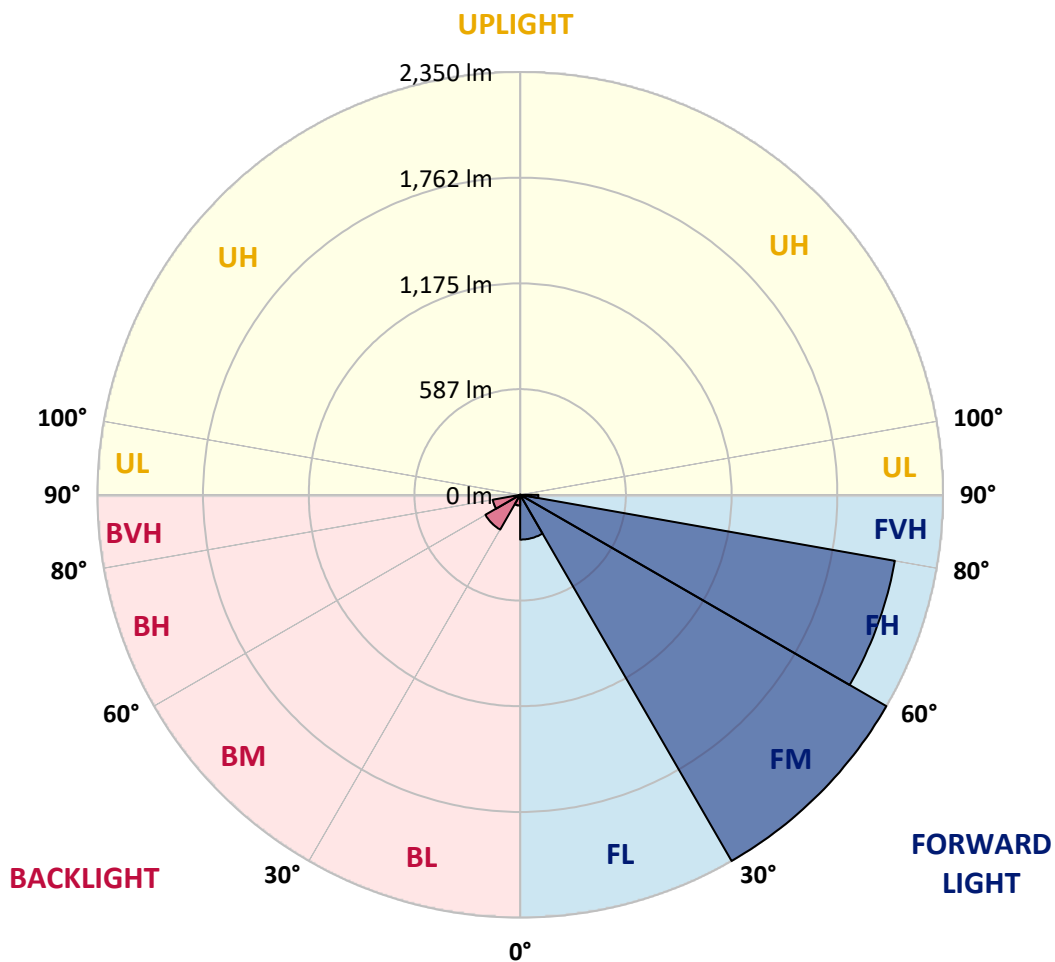
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	248.9	4.7			
FM	(30°-60°)	2349.9	44.7			
FH	(60°-80°)	2114.3	40.2			G2/5000
FVH	(80°-90°)	101.1	1.9			G2/225
BL	(0°-30°)	60.2	1.1	B0/110		
BM	(30°-60°)	222.9	4.2	B1/1000		
BH	(60°-80°)	154.5	2.9	B1/500		G1/500
BVH	(80°-90°)	3.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	4.8	3.4	3.4	2.7	2.0	2.0	2.0	2.7	2.7	2.0	2.7
5°	268.8	265.4	265.4	266.8	173.3	29.3	16.4	6.8	2.7	2.7	2.7
7.5°	255.2	252.4	253.8	257.2	259.2	262.7	262.7	80.5	25.9	2.7	2.7
10°	261.3	259.2	248.3	246.3	250.4	253.8	255.2	261.3	253.8	7.5	2.7
12.5°	459.8	456.4	456.4	462.6	268.8	245.6	248.3	254.5	219.7	28.7	15.7
15°	440.0	437.3	438.0	445.5	455.7	323.4	255.2	378.0	485.1	438.0	347.9
17.5°	614.0	528.7	457.1	435.3	437.3	451.6	494.6	519.9	493.3	498.7	379.3
20°	627.0	622.2	619.5	624.2	447.5	595.6	629.0	510.3	496.7	534.2	700.0
22.5°	648.8	637.9	616.1	613.3	689.1	586.7	609.2	713.6	732.7	782.5	728.6
25°	878.7	870.5	848.0	645.4	706.8	674.0	768.2	803.0	791.4	824.1	790.0
27.5°	965.4	949.7	901.2	837.8	750.5	794.8	777.1	796.2	873.9	1135.2	1114.1
30°	1352.9	1311.2	1177.5	964.7	892.4	827.5	904.0	944.2	1009.7	1161.8	1142.1
32.5°	1470.2	1425.9	1329.0	1228.0	1057.5	938.1	994.7	977.0	1024.0	1417.7	1499.5
35°	1812.0	1791.5	1616.9	1336.5	1292.8	1106.6	1044.5	1166.6	1236.2	1437.5	1576.0
37.5°	1816.1	1817.5	1807.2	1617.6	1417.7	1243.7	1255.3	1260.1	1314.0	1531.6	1664.6
40°	1874.1	1883.6	1908.9	1765.6	1597.1	1442.2	1411.5	1363.8	1411.5	1637.4	1786.1
42.5°	1995.5	2002.3	2058.3	1908.9	1739.0	1597.1	1612.8	1515.2	1550.0	1837.2	1951.2
45°	2209.1	2205.0	2275.2	2059.7	1871.4	1773.8	1791.5	1716.5	1695.3	2001.0	2144.9
47.5°	2450.6	2465.6	2462.8	2226.1	2003.0	1938.2	1989.4	1949.1	1865.9	2209.7	2370.7
50°	2679.1	2674.3	2603.4	2320.3	2120.4	2099.2	2217.2	2151.1	2075.3	2421.9	2588.4
52.5°	2762.3	2766.4	2681.8	2376.9	2220.7	2258.9	2435.6	2368.7	2270.5	2573.4	2804.6
55°	2747.3	2752.8	2705.0	2434.9	2295.7	2408.3	2662.1	2604.8	2494.2	2737.8	2967.0
57.5°	2606.8	2606.8	2645.7	2471.0	2368.7	2542.0	2864.0	2840.8	2704.4	2874.2	3063.9
60°	2247.9	2286.2	2408.3	2427.4	2454.7	2686.6	3063.9	3056.4	2890.6	3001.8	3121.2
62.5°	1728.8	1741.1	2011.2	2215.9	2461.5	2881.1	3232.4	3196.2	3028.4	3040.7	3161.5
65°	980.4	1036.3	1286.0	1803.1	2321.6	3084.4	3503.2	3348.4	3149.2	3087.1	3309.5
67.5°	528.0	548.5	687.7	1091.6	1902.7	3106.9	4117.3	3734.5	3435.7	3331.3	3599.4
70°	341.1	362.9	438.0	599.7	1193.2	2747.3	4695.1	4566.2	4027.2	3665.6	3643.8
72.5°	221.7	234.7	315.9	451.6	717.7	1810.0	4668.5	5030.1	4494.5	3659.5	3280.2
75°	90.1	98.9	158.3	375.9	606.5	886.9	3581.7	4241.4	4219.6	3252.2	2538.6
77.5°	45.0	47.8	70.3	203.3	538.3	614.0	2266.4	2991.6	3003.9	2370.7	1411.5
80°	29.3	28.7	40.3	95.5	367.0	558.7	1267.6	1837.9	1718.5	899.2	395.7
82.5°	11.6	12.3	21.8	54.6	153.5	505.5	723.2	989.2	773.6	175.3	113.9
85°	2.0	2.0	6.8	29.3	48.4	231.3	466.6	478.9	317.9	55.3	57.3
87.5°	0.7	0.7	1.4	2.0	3.4	5.5	20.5	9.6	6.1	9.6	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.7	2.7	2.7	2.0	2.0	1.4	0.0	0.0	0.7	0.7	0.7
5°	2.7	2.7	2.7	2.0	2.0	0.7	0.0	0.0	0.7	0.7	0.7
7.5°	2.7	2.7	2.7	2.0	1.4	0.7	0.0	0.0	0.7	0.7	0.7
10°	2.7	2.7	2.7	2.0	1.4	0.7	19.8	126.2	130.3	131.0	129.6
12.5°	17.1	17.7	9.6	2.0	1.4	117.3	116.7	97.6	85.3	80.5	74.4
15°	370.5	352.0	291.3	171.9	94.8	96.2	71.0	52.5	42.3	39.6	38.2
17.5°	367.0	340.4	268.1	156.9	165.1	72.3	38.2	42.3	55.3	55.9	55.9
20°	689.7	605.1	262.0	175.3	111.2	62.8	49.8	52.5	52.5	53.2	52.5
22.5°	719.1	634.5	392.3	223.8	79.8	66.2	56.6	49.1	50.5	65.5	63.4
25°	725.2	622.2	363.6	175.3	77.1	66.2	62.1	60.0	67.5	67.5	68.2
27.5°	1045.2	874.6	440.7	131.7	76.4	68.9	68.9	62.8	60.7	60.0	60.7
30°	1043.1	844.6	375.9	111.2	73.7	68.2	62.1	55.9	67.5	68.2	68.2
32.5°	1369.2	1080.0	363.6	90.1	73.7	62.8	54.6	58.0	53.9	53.9	53.9
35°	1388.3	1052.7	286.5	93.5	65.5	57.3	53.2	45.0	47.8	48.4	47.1
37.5°	1425.2	1033.6	217.6	84.6	65.5	53.2	43.7	40.3	37.5	36.8	36.8
40°	1491.4	1034.9	167.8	77.8	61.4	48.4	38.9	32.7	34.1	34.1	33.4
42.5°	1590.3	1054.7	131.7	71.6	55.3	43.0	32.7	29.3	27.3	27.3	26.6
45°	1721.3	1097.0	107.8	66.9	50.5	36.8	26.6	23.9	21.8	21.8	21.1
47.5°	1883.6	1156.4	94.1	62.1	45.0	30.7	21.8	19.1	17.7	17.1	17.1
50°	2056.9	1227.3	86.6	58.0	38.9	24.6	17.7	15.0	13.6	13.6	13.0
52.5°	2236.3	1308.5	80.5	55.3	33.4	20.5	13.6	10.9	10.2	9.6	10.2
55°	2381.7	1357.6	76.4	54.6	28.0	16.4	10.2	8.2	7.5	6.8	6.8
57.5°	2477.2	1384.2	71.0	50.5	22.5	12.3	7.5	5.5	4.8	4.8	4.8
60°	2552.2	1399.3	64.1	40.3	17.7	8.9	4.8	3.4	3.4	3.4	3.4
62.5°	2611.6	1409.5	53.9	31.4	13.6	6.1	3.4	2.0	2.0	2.0	2.0
65°	2787.6	1469.5	41.6	23.9	10.2	4.1	2.0	1.4	0.7	1.4	1.4
67.5°	3001.8	1494.8	30.7	17.1	7.5	2.7	1.4	0.7	0.7	0.7	1.4
70°	2917.2	1302.4	22.5	12.3	5.5	2.0	1.4	0.7	0.7	0.7	1.4
72.5°	2451.3	951.7	16.4	8.9	4.1	2.0	1.4	0.7	0.7	1.4	1.4
75°	1762.9	536.9	13.0	6.1	3.4	2.0	1.4	1.4	1.4	2.0	2.0
77.5°	829.6	199.9	13.0	5.5	3.4	2.0	1.4	1.4	2.0	2.7	1.4
80°	201.3	49.8	13.0	4.8	3.4	2.0	2.0	2.0	2.7	2.7	1.4
82.5°	67.5	21.1	9.6	4.1	3.4	2.0	2.0	2.7	2.7	3.4	2.0
85°	40.9	13.6	6.8	4.8	4.1	2.0	2.7	2.7	3.4	4.1	2.0
87.5°	6.8	5.5	4.8	4.8	4.1	2.7	2.7	3.4	3.4	4.1	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)